

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P690901

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5569 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

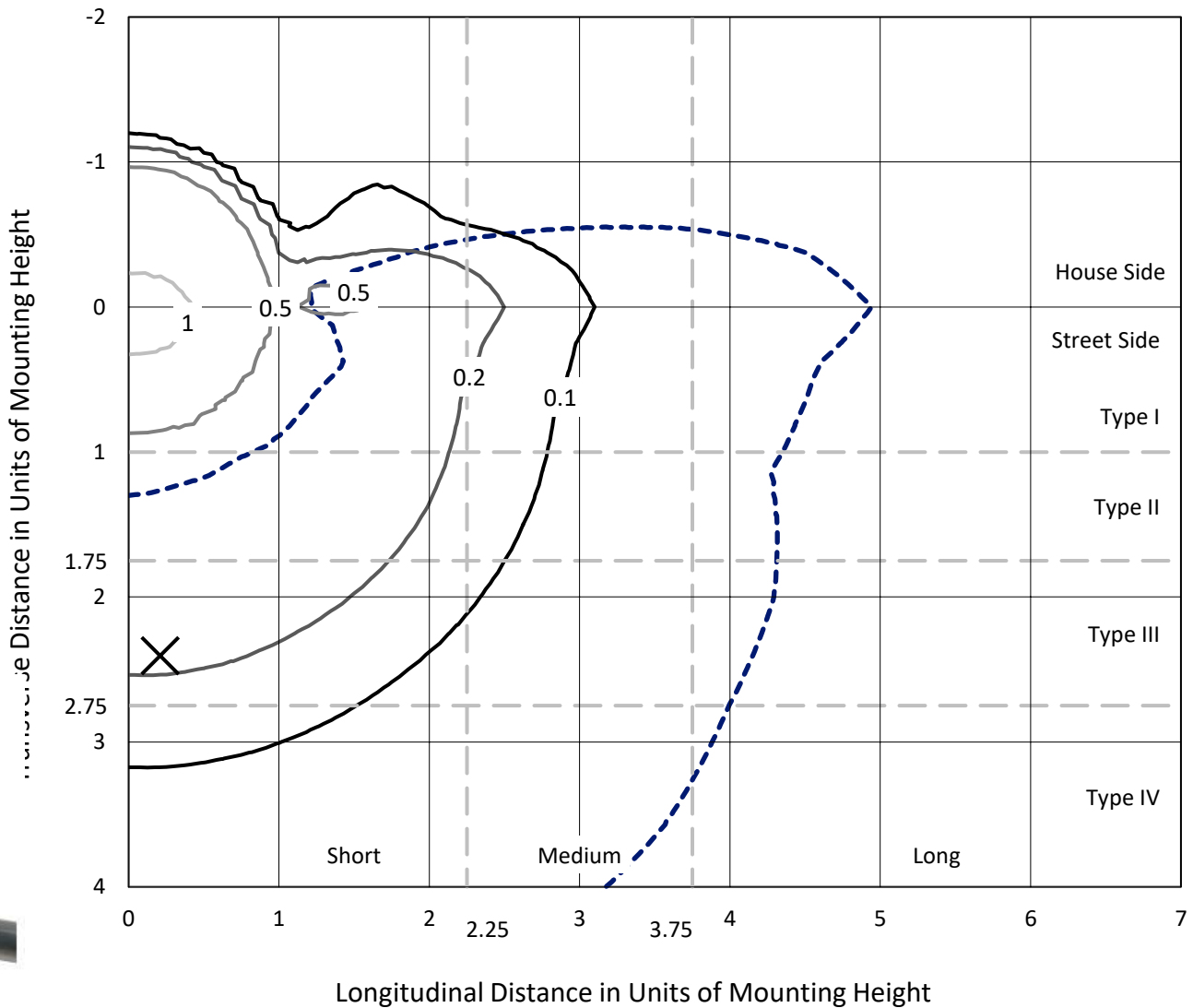


REPORT NUMBER: P690901

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

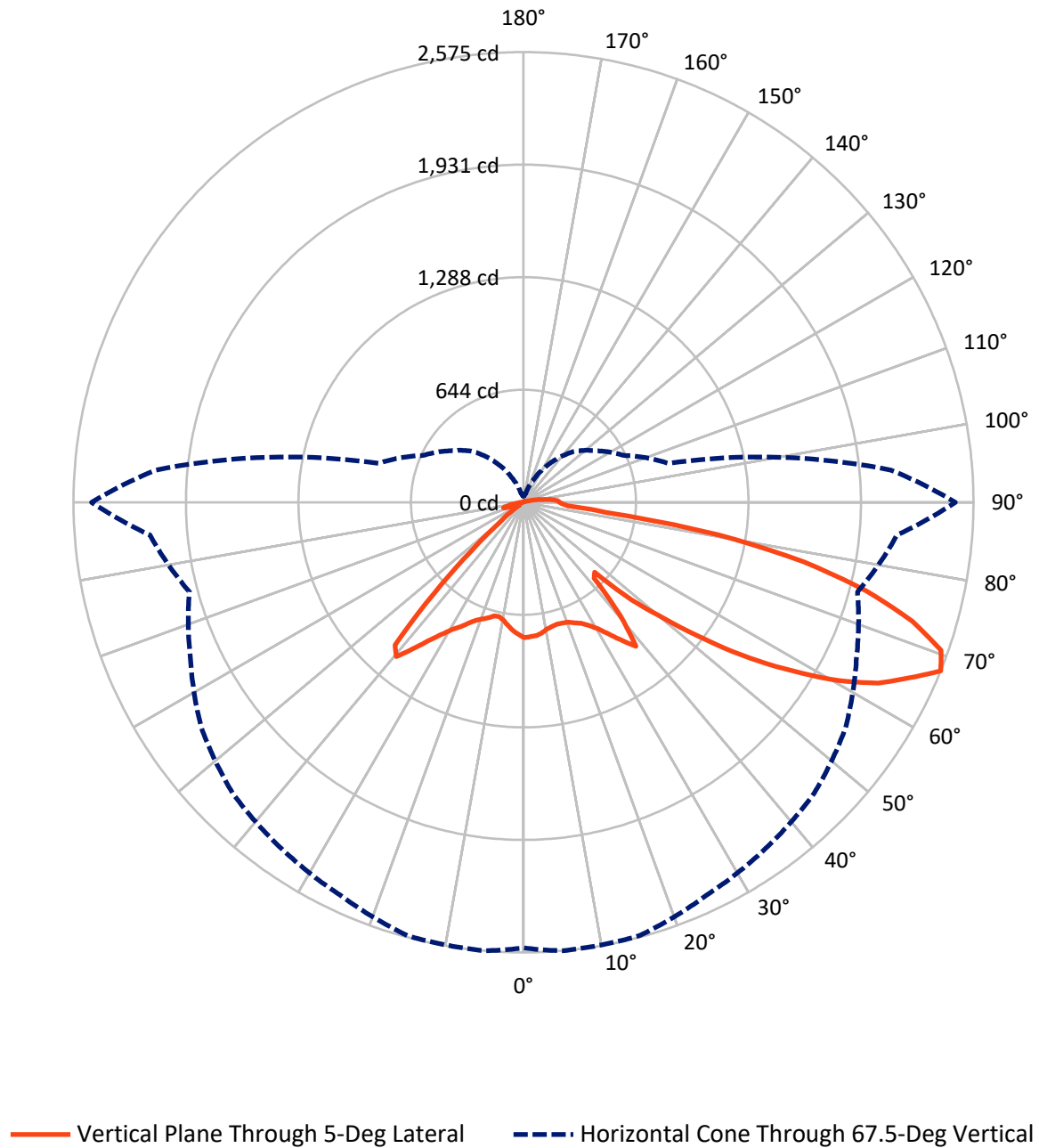


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P690901

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P690901

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

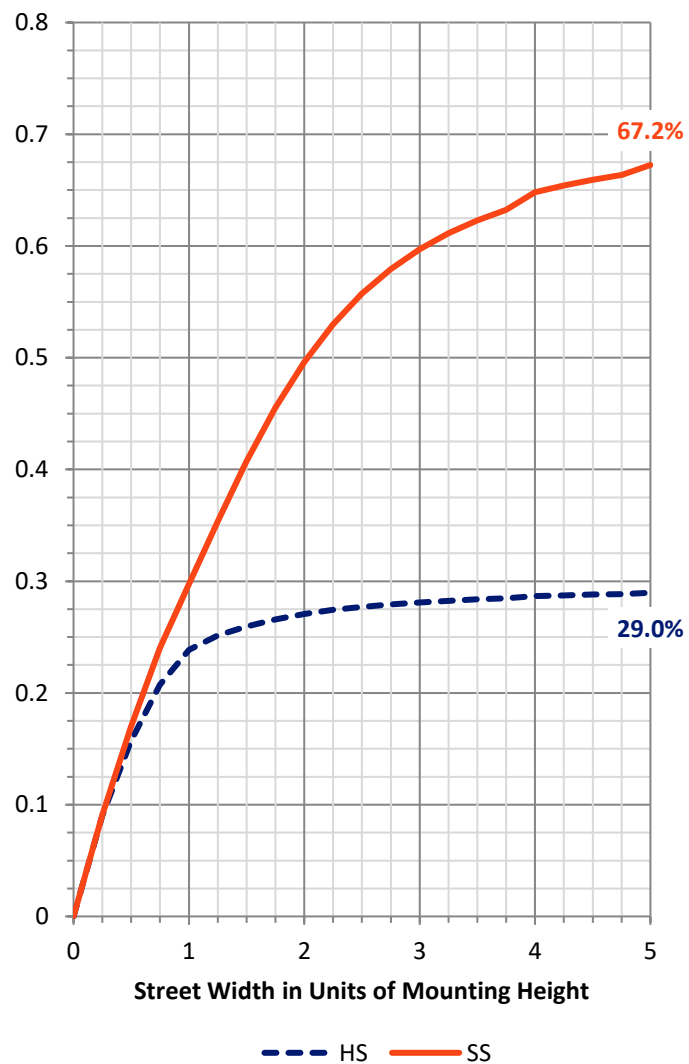
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1632.1	24.6	1656.7
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3816.5	95.9	3912.3
	% Fixture	68.5	1.7	70.3
Total	Lumens	5448.6	120.4	5569.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	1.3
10°-20°	206.6	3.7
20°-30°	367.1	6.6
30°-40°	613.9	11.0
40°-50°	560.6	10.1
50°-60°	832.2	14.9
60°-70°	1365.2	24.5
70°-80°	1171.6	21.0
80°-90°	259.9	4.7
90°-100°	87.7	1.6
100°-110°	21.6	0.4
110°-120°	6.9	0.1
120°-130°	3.9	0.1
130°-140°	0.3	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5448.6	97.8
0°-180°	5569.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690901

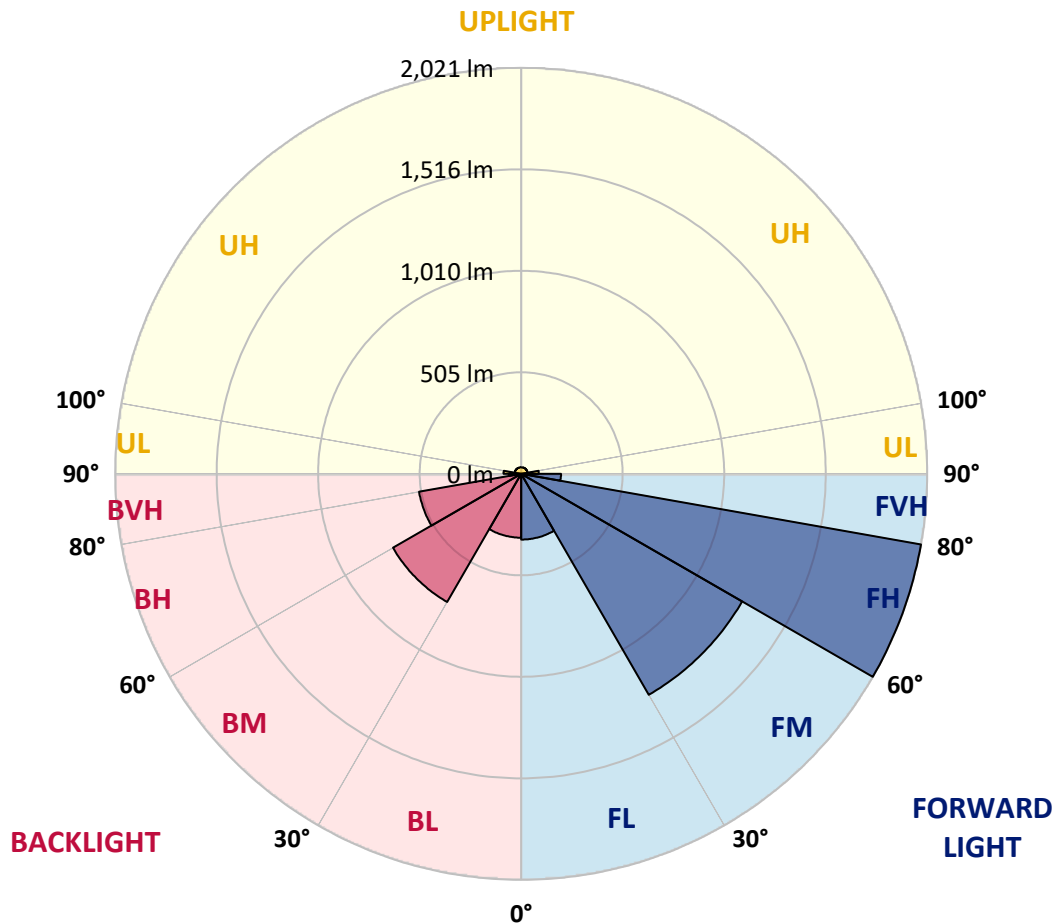
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.3	5.9			
FM	(30°-60°)	1270.1	22.8			
FH	(60°-80°)	2020.9	36.3			G2/5000
FVH	(80°-90°)	198.1	3.6			G2/225
BL	(0°-30°)	317.9	5.7	B1/500		
BM	(30°-60°)	736.5	13.2	B1/1000		
BH	(60°-80°)	515.9	9.3	B2/1000		G2/1000
BVH	(80°-90°)	61.7	1.1			G1/100
UL	(90°-100°)	87.7	1.6		U3/500	
UH	(100°-180°)	32.7	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



REPORT NUMBER: P690901

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	774.8	774.8	774.8	774.8	774.8	774.8	774.8	774.8	774.8	774.8	774.8
2.5°	769.1	769.1	769.1	771.9	774.8	771.9	769.1	766.2	763.3	766.2	766.2
5°	766.2	766.2	769.1	769.1	771.9	774.8	771.9	769.1	766.2	766.2	766.2
7.5°	751.8	754.7	754.7	757.5	760.4	766.2	766.2	760.4	760.4	760.4	760.4
10°	737.4	737.4	740.3	743.1	746.0	751.8	751.8	746.0	748.9	751.8	751.8
12.5°	728.7	728.7	731.6	737.4	740.3	743.1	746.0	746.0	748.9	746.0	748.9
15°	723.0	723.0	723.0	731.6	740.3	743.1	748.9	751.8	754.7	754.7	754.7
17.5°	725.9	725.9	725.9	737.4	743.1	751.8	757.5	760.4	760.4	763.3	763.3
20°	731.6	731.6	734.5	743.1	754.7	763.3	769.1	771.9	771.9	777.7	777.7
22.5°	743.1	748.9	746.0	754.7	763.3	774.8	783.5	789.2	789.2	795.0	795.0
25°	769.1	766.2	769.1	777.7	786.3	795.0	800.7	809.4	812.3	818.0	818.0
27.5°	797.9	797.9	797.9	806.5	812.3	820.9	826.7	832.4	838.2	846.8	849.7
30°	841.1	838.2	835.3	843.9	849.7	858.3	864.1	867.0	867.0	872.8	878.5
32.5°	898.7	898.7	898.7	904.4	907.3	916.0	918.8	921.7	918.8	927.5	930.4
35°	970.7	970.7	973.6	979.3	988.0	993.7	996.6	993.7	996.6	1002.4	1008.1
37.5°	1042.7	1045.6	1054.2	1062.9	1068.6	1080.1	1088.8	1088.8	1091.7	1108.9	1108.9
40°	843.9	852.6	861.2	881.4	907.3	941.9	999.5	1022.5	1088.8	1123.3	1132.0
42.5°	573.2	593.4	616.4	642.3	662.5	665.4	720.1	751.8	818.0	881.4	898.7
45°	547.3	570.3	593.4	576.1	590.5	544.4	599.1	604.9	636.6	685.5	815.1
47.5°	803.6	835.3	867.0	823.8	832.4	731.6	751.8	728.7	656.7	737.4	953.4
50°	1048.5	1045.6	1091.7	1071.5	1094.5	985.1	993.7	947.6	835.3	947.6	1255.8
52.5°	1284.6	1307.7	1356.7	1350.9	1368.2	1227.0	1201.1	1160.8	985.1	1157.9	1520.8
55°	1558.3	1575.6	1621.6	1607.2	1598.6	1457.5	1411.4	1371.1	1201.1	1425.8	1803.1
57.5°	1814.6	1823.3	1878.0	1829.0	1800.2	1693.7	1630.3	1564.0	1397.0	1670.6	1999.0
60°	2059.5	2071.0	2102.7	2036.4	1990.3	1906.8	1829.0	1757.0	1601.5	1889.5	2180.4
62.5°	2289.9	2278.4	2292.8	2209.2	2177.6	2102.7	2019.1	1929.8	1794.5	2062.3	2356.1
65°	2422.4	2422.4	2439.7	2333.1	2284.1	2238.0	2145.9	2042.2	1918.3	2145.9	2465.6
67.5°	2549.1	2575.0	2566.4	2480.0	2416.6	2353.3	2249.6	2102.7	1978.8	2145.9	2471.4
70°	2503.0	2534.7	2500.2	2431.0	2367.7	2292.8	2197.7	2053.7	1915.4	2042.2	2338.9
72.5°	2304.3	2327.3	2312.9	2252.4	2174.7	2125.7	2024.9	1915.4	1754.1	1863.6	2122.8
75°	2033.5	2027.8	2053.7	1984.6	1918.3	1872.2	1774.3	1705.2	1555.4	1636.0	1883.8
77.5°	1638.9	1641.8	1696.5	1618.8	1566.9	1535.2	1445.9	1388.3	1253.0	1325.0	1515.1
80°	1100.3	1132.0	1183.8	1100.3	1091.7	1048.5	973.6	936.1	832.4	867.0	967.8
82.5°	458.0	472.4	489.7	463.7	455.1	440.7	409.0	397.5	357.2	374.4	374.4
85°	256.4	253.5	262.1	262.1	256.4	244.8	233.3	213.1	195.9	193.0	178.6
87.5°	216.0	218.9	224.7	224.7	213.1	204.5	190.1	175.7	161.3	152.7	138.3
90°	201.6	204.5	207.4	198.7	187.2	178.6	167.1	155.5	144.0	138.3	123.9
92.5°	193.0	193.0	193.0	181.5	169.9	161.3	152.7	141.1	132.5	126.7	115.2
95°	161.3	158.4	155.5	149.8	138.3	129.6	123.9	112.3	106.6	100.8	95.1
97.5°	121.0	118.1	115.2	112.3	100.8	95.1	92.2	86.4	80.7	72.0	69.1
100°	86.4	83.5	83.5	80.7	74.9	69.1	66.2	60.5	54.7	49.0	46.1
102.5°	57.6	54.7	54.7	51.8	49.0	46.1	40.3	37.4	31.7	28.8	25.9
105°	31.7	31.7	31.7	28.8	28.8	25.9	23.0	20.2	17.3	17.3	14.4
107.5°	23.0	23.0	23.0	23.0	20.2	20.2	17.3	14.4	14.4	11.5	11.5
110°	17.3	17.3	17.3	17.3	17.3	14.4	14.4	11.5	11.5	8.6	8.6

REPORT NUMBER: P690901

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.4	14.4	14.4	14.4	14.4	14.4	11.5	11.5	8.6	8.6	8.6
115°	14.4	14.4	14.4	14.4	11.5	11.5	8.6	8.6	8.6	8.6	5.8
117.5°	11.5	11.5	11.5	11.5	11.5	8.6	8.6	8.6	8.6	5.8	8.6
120°	11.5	11.5	11.5	11.5	8.6	8.6	8.6	5.8	5.8	5.8	5.8
122.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	5.8	5.8	5.8	5.8
125°	8.6	8.6	8.6	8.6	8.6	5.8	5.8	5.8	5.8	5.8	5.8
127.5°	8.6	8.6	5.8	8.6	5.8	5.8	5.8	5.8	5.8	2.9	5.8
130°	8.6	8.6	5.8	5.8	5.8	5.8	5.8	5.8	2.9	2.9	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P690901

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	774.8	774.8	774.8	774.8	774.8	774.8	774.8	774.8	774.8	774.8
2.5°	769.1	769.1	771.9	769.1	769.1	763.3	760.4	757.5	757.5	757.5
5°	766.2	766.2	763.3	757.5	754.7	748.9	743.1	740.3	737.4	740.3
7.5°	760.4	754.7	748.9	737.4	728.7	725.9	714.3	711.5	711.5	711.5
10°	748.9	743.1	728.7	714.3	708.6	699.9	691.3	682.6	685.5	688.4
12.5°	746.0	731.6	720.1	705.7	697.0	682.6	679.8	671.1	668.2	668.2
15°	748.9	737.4	723.0	711.5	699.9	694.2	682.6	679.8	671.1	676.9
17.5°	760.4	743.1	731.6	720.1	708.6	702.8	694.2	688.4	691.3	691.3
20°	771.9	754.7	743.1	734.5	723.0	714.3	711.5	705.7	708.6	702.8
22.5°	789.2	771.9	763.3	751.8	743.1	737.4	731.6	734.5	728.7	731.6
25°	812.3	797.9	786.3	777.7	769.1	763.3	763.3	763.3	760.4	763.3
27.5°	843.9	829.5	820.9	815.1	806.5	800.7	795.0	797.9	800.7	797.9
30°	872.8	855.5	852.6	846.8	841.1	838.2	838.2	838.2	838.2	843.9
32.5°	918.8	901.6	895.8	895.8	890.0	887.2	884.3	890.0	892.9	890.0
35°	990.8	967.8	962.0	959.2	956.3	956.3	959.2	959.2	959.2	959.2
37.5°	1080.1	1048.5	1042.7	1039.8	1039.8	1039.8	1036.9	1039.8	1048.5	1051.3
40°	1120.5	1100.3	1108.9	1123.3	1132.0	1132.0	1129.1	1134.9	1143.5	1143.5
42.5°	907.3	864.1	895.8	953.4	990.8	1036.9	1045.6	1074.4	1097.4	1097.4
45°	737.4	558.8	570.3	607.8	625.0	665.4	688.4	714.3	728.7	708.6
47.5°	829.5	360.0	296.7	308.2	265.0	319.7	357.2	397.5	406.1	414.8
50°	1301.9	371.6	250.6	181.5	121.0	161.3	169.9	193.0	187.2	190.1
52.5°	1581.3	426.3	250.6	161.3	100.8	106.6	97.9	109.5	115.2	126.7
55°	1774.3	512.7	325.5	204.5	118.1	72.0	49.0	37.4	34.6	34.6
57.5°	1866.5	627.9	423.4	290.9	184.3	100.8	43.2	31.7	28.8	25.9
60°	1952.9	751.8	535.7	397.5	290.9	178.6	80.7	31.7	25.9	25.9
62.5°	2030.7	875.6	648.1	515.6	409.0	279.4	149.8	54.7	28.8	28.8
65°	2094.0	901.6	656.7	558.8	440.7	328.4	195.9	66.2	31.7	31.7
67.5°	2111.3	858.3	633.7	512.7	411.9	279.4	152.7	54.7	37.4	34.6
70°	1996.1	815.1	636.6	486.8	371.6	247.7	100.8	63.4	49.0	46.1
72.5°	1806.0	754.7	604.9	472.4	357.2	250.6	118.1	103.7	92.2	86.4
75°	1590.0	682.6	558.8	452.2	345.6	242.0	138.3	129.6	118.1	115.2
77.5°	1276.0	567.4	469.5	383.1	290.9	193.0	115.2	109.5	95.1	95.1
80°	838.2	423.4	354.3	293.8	221.8	135.4	86.4	77.8	69.1	66.2
82.5°	342.8	247.7	213.1	184.3	144.0	86.4	57.6	49.0	40.3	37.4
85°	167.1	123.9	106.6	86.4	72.0	49.0	37.4	31.7	23.0	23.0
87.5°	135.4	97.9	80.7	66.2	49.0	34.6	25.9	20.2	14.4	11.5
90°	123.9	86.4	69.1	54.7	40.3	28.8	17.3	14.4	8.6	5.8
92.5°	112.3	74.9	60.5	43.2	31.7	23.0	11.5	8.6	5.8	5.8
95°	92.2	57.6	46.1	34.6	25.9	17.3	11.5	5.8	2.9	2.9
97.5°	66.2	43.2	34.6	25.9	20.2	11.5	8.6	5.8	2.9	2.9
100°	46.1	28.8	25.9	20.2	14.4	8.6	5.8	2.9	2.9	2.9
102.5°	23.0	17.3	17.3	14.4	11.5	8.6	2.9	2.9	0.0	0.0
105°	14.4	11.5	11.5	8.6	5.8	5.8	2.9	2.9	0.0	0.0
107.5°	8.6	8.6	8.6	5.8	5.8	2.9	2.9	0.0	0.0	0.0
110°	8.6	5.8	5.8	5.8	2.9	2.9	2.9	0.0	0.0	0.0



REPORT NUMBER: P690901

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7040-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.8	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0
115°	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
117.5°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)